In the Claims:

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1	12. (Amended) [A computer program product that implements an execution stack that				
٠ 2	stores frames for functions written in a plurality of programming languages,] A computer				
. 3	readable medium including computer program code for implementing an execution stack, the				
4	computer readable medium comprising:				
5	computer code that stores a first frame on the execution stack for a first function, the first				
6	function being written in a first programming language; and				
7	computer code that, in response to the first function calling a second function written in a				
8	second programming language, stores a data block on the execution stack before a second frame				
9	for the second function, the data block including at least one pointer to a previous frame on the				
10	execution stack for a previous function written in the second programming language. [and				
11	a computer readable medium that stores the computer codes.]				
1	(Amended) The computer [program product] readable medium of claim 12,				
2	wherein the computer readable medium is selected from the group consisting of CD-ROM,				
3	floppy disk, tape, flash memory, system memory, hard drive, and data signal embodied in a				
4	carrier wave.				
1	(Amended) A computer system [for implementing] having an execution stack				
2	that stores frames for functions written in a plurality of programming languages, the computer				
3	system comprising:				
4	a processor;				
5	a memory coupled to the processor that stores the execution stack; and				
6	a computer program operating on the processor that stores a first frame on the execution				
7	stack for a first function, the first function being written in a first programming language and, in				

response to the first function calling a second function written in a second programming
language, stores a data block on the execution stack before a second frame for the second
function, the data block including at least one pointer to a previous frame on the execution stack
for a previous function written in the second programming language.
7 **5. (Amended) In a computer system, a method for [implementing an execution
stack that stores] storing frames for functions written in a plurality of programming languages on
an execution stack, the method comprising:
storing a first frame on the execution stack for a first function, the first function being
written in a first programming language; and
in response to the first function calling a second function written in a second
programming language, storing in local storage at least one pointer to the first frame on the
execution stack and storing a second frame on the execution stack for the second function.
 35. (Amended) [A computer program product that implements an execution stack
that stores frames for functions written in a plurality of programming languages,] A computer
readable medium comprising:
computer code that stores a first frame on the execution stack for a first function, the first
function being written in a first programming language; and
computer code that, in response to the first function calling a second function written in a
second programming language, stores in local storage at least one pointer to the first frame on
the execution stack and stores a second frame on the execution stack for the second function. [;
and
a computer readable medium that stores the computer codes.]
26 34. (Amended) The computer [program product] readable medium of claim 33,

wherein the computer readable medium is selected from the group consisting of CD-ROM,

3	floppy disk, tape, flash memory, system memory, hard drive, and data signal embodied in a			
4	carrier wave.			
1	(Amended) A computer system [for implementing an execution stack that stores			
2	frames for functions written in a plurality of programming languages,] comprising:			
3	a processor;			
4	a memory coupled to the processor that stores [the] an execution stack; and			
5	[an] a computer program operating on the processor that stores a first frame on the			
6	execution stack for a first function, the first function being written in a first programming			
7	language; and, in response to the first function calling a second function written in a second			
8	programming language, stores in local storage at least one pointer to the first frame on the			
9	execution stack and stores a second frame on the execution stack for the second function.			
1	28 36. (Amended) A data structure stored by a computer readable medium [for			
2	implementing an execution stack,] comprising:			
3	a first frame stored by the computer readable medium on [the] an execution stack, the			
4	first frame being for a first function written in a first programming language;			
5	a second frame stored by the computer readable medium on the execution stack above the			
6	first frame, the second frame being for a second function written in a second programming			
7	language; and			
8	a data block stored by the computer readable medium on the execution stack above the			
9	second frame, the data block including at least one pointer to the first frame on the execution			
0	stack.			

Add the following newly drafted claims:

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1	34 42. I	n a computer system having an execution stack that stores frames for functions		
2	written in a plurality of programming languages, a method for operating the computer system by			
3	utilizing the execution stack, the method comprising:			
4	storin	g a first frame on the execution stack for a first function, the first function being		
5	written in a first programming language; and			
6	in response to the first function calling a second function written in a second			
7	programming language, storing a data block on the execution stack before a second frame for the			
8	second function, the data block including at least one pointer to a previous frame on the			
9	execution sta	ck for a previous function written in the second programming language.		
1	35 . 43 . T	74 The method of claim 42; wherein the at least one pointer includes a previous stack		
2	pointer and fi	-		
1	36 44.*	The method of claim 42, further comprising in response to the first function		
		· · · · · · · · · · · · · · · · · · ·		
2	calling the se	cond function, allocating resources for functions written in programming languages		
3	other than the	e second programming language that may be called by the second function.		
1	37 45.	36 The method of claim 44, further comprising upon exiting the second function,		
2	deallocating	the resources for functions written in programming languages other than the second		
3	programming	g language.		
1	38 4 6.	34 The method of claim 42, further comprising catching an exception that was raised		
2	during execution of the second function that was not handled by an exception handler for the			
3	second functi	ion.		
1	39 47.	38 The method of claim 46, further comprising identifying an exception handler for		
2	the data block to handle the exception and jumping to the identified exception handler.			